

(19) World Intellectual Property Organization
International Bureau



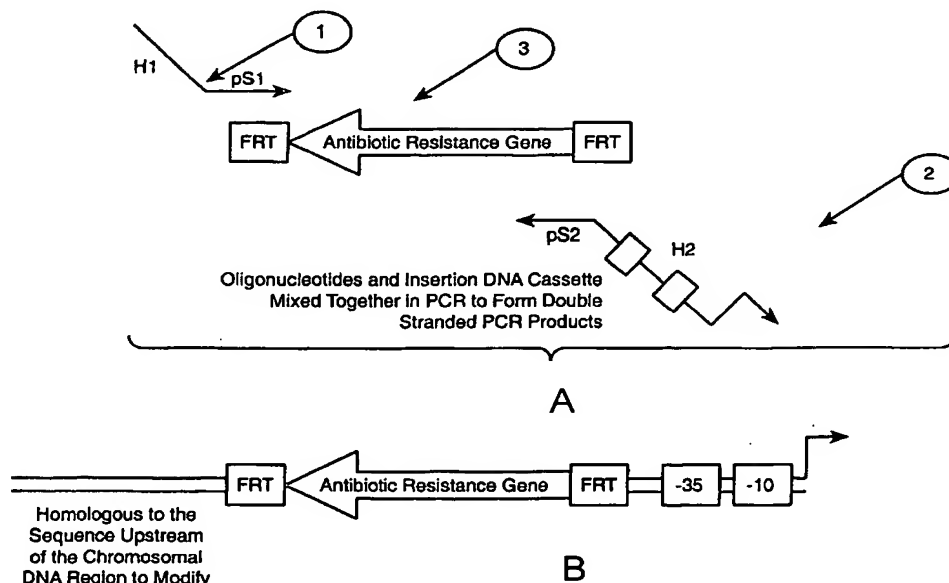
(43) International Publication Date
30 October 2003 (30.10.2003)

PCT

(10) International Publication Number
WO 03/089605 A2

- (51) International Patent Classification⁷: C12N
- (21) International Application Number: PCT/US03/12045
- (22) International Filing Date: 18 April 2003 (18.04.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/374,627 22 April 2002 (22.04.2002) US
- (71) Applicant (for all designated States except US): GENENCOR INTERNATIONAL, INC. [US/US]; 925 Page Mill Road, Palo Alto, CA 94304 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): SOUCAILLE, Philippe [FR/FR]; Chant du Coucou, F-31450 Deyme (FR).
- (74) Agent: ITO, Richard, T.; GENENCOR INTERNATIONAL, INC., 925 Page Mill Road, Palo Alto, CA 94304 (US).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD OF CREATING A LIBRARY OF BACTERIAL CLONES WITH VARYING LEVELS OF GENE EXPRESSION



(57) Abstract: The present invention relates to a method of creating DNA libraries that include an artificial promoter library and/or a modified ribosome binding site library and transforming bacterial host cells with the library to obtain a population of bacterial clones having a range of expression levels for a chromosomal gene of interest.